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PATENT APPLICATION

ATTORNEY DOCKET NO. 10002105-1

IN THE  
UNITED STATES PATENT AND TRADEMARK OFFICE

#2.02  
3.6.02  
RW

10/028254  
12/20/01

Inventor(s): James A. Freeman

Serial No.: Unknown

Examiner: Unknown

Filing Date: Unknown

Group Art Unit: Unk

Title: RELAY

COMMISSIONER FOR PATENTS  
Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT

Sir:

This Information Disclosure Statement is submitted:

- (X) under 37 CFR 1.97(b), or  
(Within three months of filing national application; or date of entry of national application; or before mailing date of first office action on the merits; whichever occurs last)
- ( ) under 37 CFR 1.97(c) together with either a:  
( ) Statement under 37 CFR 1.97(e), or  
( ) a \$180.00 Processing fee under 37 CFR 1.17(p), or  
(After the CFR 1.97 (b) time period, but before final action or notice of allowance, whichever occurs first)
- ( ) under 37 CFR 1.97 (d) together with a:  
( ) Statement under 37 CFR 1.97(e), and  
( ) a \$180.00 processing fee under 37 CFR 1.17(p).  
(Filed after final action or notice of allowance, whichever occurs first, but before payment of the issue fee)

Please charge to Deposit Account **50-1078** the sum of \$0.00. At any time during the pendency of this application, please charge any fees required or credit any overpayment to Deposit Account **50-1078** pursuant to 37 CFR 1.25.

( ) Applicant(s) submit herewith Form PTO 1449. All the references identified herein were disclosed in Patent Application No. \_\_\_\_\_ filed \_\_\_\_\_, now U. S. Patent No. \_\_\_\_\_, and, as such, copies thereof are not included pursuant to the provisions of 37 CFR 1.98(d).

( ) A concise explanation of the relevance of foreign language patents, foreign language publications and other foreign language information listed on PTO Form 1449, as presently understood by the individuals(s) designated in 37 CFR 1.56 (c) most knowledgeable about the content is given on the attached sheet, or where a foreign language patent is cited in a search report or other action by a foreign patent office in a counterpart foreign application, an English language version of the search report or action which indicates the degree of relevance found by the foreign office is listed on form PTO 1449 and is enclosed herewith.

It is requested that the information disclosed herein be made of record in this application.

"Express Mail" label no. **EL939349383US**

Date of Deposit **12/20/01**

I hereby certify that this is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to: Commissioner for Patents, Washington, D.C. 20231.

By

Typed Name: **Gregory W. Osterloth, Esq.**

Respectfully submitted,

**James A. Freeman**

By

**Gregory W. Osterloth, Esq.**

Attorney/Agent for Applicant(s)  
Reg. No. **36,232**

Date: **12/20/01**

FORM PTO-1449

LIST OF PATENTS AND PUBLICATIONS FOR  
APPLICANT'S INFORMATION DISCLOSURE  
STATEMENT

(Use several sheets if necessary)

ATTY. DOCKET NO.

10982185-1

APPLICATION NO.

00/000,000

CONFIRMATION NO.

APPLICANT

James A. Freeman

FILING DATE

Unknown

GROUP

Unk

10971 U.S. Patd  
10/028254  
12/20/01

## REFERENCE DESIGNATION

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS
	1A	3,019,402	01-30-62	Lanctot	333	81
	1B	3,319,194	05-09-67	Adam	333	81
	1C	3,626,352	12-07-71	McCoig	338	190
	1D	3,753,170	08-14-73	Holland	333	81A
	1E	3,828,286	08-06-74	Bain	335	126
	1F	4,008,447	02-15-77	Anderson, et al.	335	128
	1G	4,019,165	04-19-77	Wright	335	126
	1H	4,021,631	05-03-77	Sprando	200	238
	1I	4,260,965	04-07-81	Nakamura et al.	333	81A
	1J	4,475,095	10-02-84	Brown	335	196
	1K	4,496,919	01-29-85	Fournier et al.	335	5

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	TRANSLATION	
							YES	NO
	1L							
	1M							
	1N							
	1O							
	1P							

## OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

	1Q	
	1R	
	1S	

EXAMINER

DATE CONSIDERED

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## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS
	2A	4,595,893	06-17-86	Charbonnier et al.	333	246
	2B	4,795,960	01-03-89	Malcolm	333	105
	2C	4,949,061	08-14-90	Kirma	337	140
	2D	5,061,909	10-29-91	Hjipieris et al.	333	17.2
	2E	5,315,273	05-24-94	Blair et al.	333	81R
	2F					
	2G					
	2H					
	2I					
	2J					
	2K					

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							YES	NO
	2L							
	2M							
	2N							
	2O							
	2P							

## OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

	2Q	"RF & Microwave Test Accessories: Coaxial Step Attenuators" Hewlett-Packard Journal, internet URL www.hp.com/go/tmc98 (3 pages), 1998
	2R	
	2S	

EXAMINER

DATE CONSIDERED